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ARGUNA[®] 3430

CYANID-FREE HARD SILVER ELECTROLYTE



For deposition of wear-resistant silver layers with high hardness

ARGUNA[®] 3430 is an alkaline, cyanide-free electrolyte for the deposition of technically functional silver layers.

The electrolyte does not contain any toxic cyanide compounds and can therefore be used in a simplified way under the increasing environmental and safety requirements. The deposited layers have excellent abrasion resistance and are particularly suitable for the application of highly stressed electrical contact surfaces. An excellent thermal resistance improves the reliability and lifetime of these contact systems.

ARGUNA[®] 3430 is ideally suited for rack and barrel applications. Coating thicknesses up to 40 µm are possible without any problems.



Advantages

- Cyanide-free, significantly reduced exposure to hazardous substances
- Excellent wear resistance of the coatings
- Excellent thermal resistance
- Improved reliability of contact systems
- Ideal for rack and barrel operation

Applications

- E-Mobility / Automotive
- Charging connectors
- High Power Contacts

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CYANID-FREE HARD SILVER ELECTROLYTE

TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	cyanide-free, alkaline	Coating	Hard silver
Metal content	20 (18 - 30) g/l	Purity	>97 wt.% Ag
pH value	10.4 (10.2 - 10.6)	Colour of deposit	white
Operating temperature	30 (25 - 45) °C	Hardness of deposit HV 0.015 (Vickers) approx. values	170 - 190 HV (after deposition), approx. 150 HV (after aging)
Current density range	0.5 - 1.5 A/dm ²		Density
Plating speed	1 µm in 1.5 min at 1.0 A/dm ²		

YOUR CONTACT

Do you have a specific question or would you like a no-obligation quote calculation?
Our specialist will be happy to help you with any technical questions you might have.



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